

METHOD FOR PREPARING POLYETHER  
COPOLYMERS WITH POLYCARBONATES AND  
POLYARYLATES

ABSTRACT

5 Copolymers of polycarbonates or polyarylates with polyether polymers such as polyethersulfones, polyetherketones, and polyetherimides are prepared by reaction of the polyether polymer-forming reagents, e.g., bisphenol A disodium salt and bis(4-chlorophenyl) sulfone, in the presence of the polycarbonate or polyarylate. The reaction may take place in a dipolar aprotic solvent, or in a water-immiscible aromatic solvent in the presence of a phase transfer catalyst, preferably a hexaalkylguanidinium halide. Hydroxy-terminated polyether oligomers may be produced from the copolymers by saponification of carbonate or ester groups.